



## Fish Passage Center

# Weekly Report #02 - 31

November 1,  
2002

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**Note:** *This is the last weekly report for the 2002 season. We will resume publishing the report in March, 2003.*

**Water:** River flows within the Columbia Basin are low. Over the last two weeks, flows have averaged 15.6 Kcfs in the lower Snake River (Lower Granite outflows), 84.4 Kcfs in the middle Columbia River (Priest Rapids outflows), and 103.5 Kcfs in the lower Columbia River (McNary outflows).

Grand Coulee has remained relatively steady over the last two weeks; reservoir elevations have ranged between 1286.6 feet (10-18-02) and 1286.6 feet (10-31-02). Total outflows over the past two weeks have averaged 83.1 Kcfs.

The Libby Reservoir has drafted 0.9 feet over the past two weeks (10-18-02 to 10-31-02); reservoir elevations have ranged from 2438.8 to 2437.9 feet. Outflows have varied between 4.0 and 5.3 kcfs over the past two weeks.

The Dworshak Reservoir drafted 1.1 feet over the last two weeks (10-18-02 to 10-31-02). Total outflows have been at the minimum project discharge for the past seven weeks. Dworshak is currently at an elevation of 1516.3 feet.

Over the past seven days, the Brownlee Reservoir has refilled 2.0 feet, beginning the week at 2044.6 and ending the week at 2046.6 feet. During the week, outflows have varied between 7.4 and 10.2 Kcfs.

The Hungry Horse Reservoir is currently (10-18-02) at an elevation of 3531.6 feet. Total outflows at Hungry Horse have ranged between 2.1 and 2.8 Kcfs over the last two weeks (10-18-02 to 10-31-02).

On October 30th, 2002 SOR-2002-08 was submitted requesting a minimum instantaneous tailrace elevation of 11.5 feet at Bonneville Dam beginning November 1, 2002. On October 31st, 2002 the tailrace elevation at Bonneville was 11.4 feet with an average daily total outflow of 135.7 kcfs.

**Smolt Monitoring:** This past two weeks saw steady but small numbers of subyearling chinook continuing to outmigrate throughout the Lower Snake and Lower Columbia Rivers. In the Lower Snake River, at Lower Granite the average daily index of subyearling chinook was 580 this week compared to 180 last week. At other Snake River dams the average daily numbers of subyearlings over the past week were 56 at Little Goose and 12 at Lower Monumental.

In the lower Columbia, the passage index increased at McNary from 370 per day last week to 910 per day this week. At Bonneville Dam subyearling chinook numbers were up to 200 per day this week compared to 100 average index the previous week.

Monitoring ended for the season at Lower Granite, Little Goose and Lower Monumental dams in the Lower Snake River October 31. Monitoring also ended at Bonneville Dam at the end of October. Monitoring is scheduled to continue at McNary Dam through December 15, however presently, due to cold weather related breakdowns in the juvenile bypass, the project is in full bypass mode. Repairs are ongoing and the first sample could begin as early as next Monday, November 4.

**Adult Fish Passage:** Adult fish counting will end at most Corps of Engineer projects on October 31, with Bonneville Dam and Lower Granite dams continuing counts until a later date. The PUD projects normally count through mid-November. At Bonneville Dam, passage of adult fall chinook has reduced from nearly 300 fish per day at the beginning of the report week (10/18) to about 100 fish per day at the end of the report week (10/31), with the cumulative count through October 31 about 472,300. This year's count of adult fall chinook was about 1.2 and 2.2 times greater than the respective

year 2001 and 10-year average. At The Dalles, about 246,000 Upriver Bright (URB) fall chinook were counted with 141,600 above McNary Dam. Passage of fall chinook at Ice Harbor Dam exceeded 15,300 for the season. This year's count into the Snake River was about 1.1 times and 3.1 times greater than the respective 2001 and 10-year average. At Priest Rapids Dam, about 25,800 adult fall chinook were counted through October 31. A large percentage of the wild component of the upriver run is destined for the Hanford Reach area (below Priest Rapids Dam) of the Mid-Columbia River. The 2002 run of Tule and URB fall chinook counts remained well above the 10-year average, similar to the performance of the spring and summer races of chinook.

Steelhead passage at Bonneville Dam ranged between 200-400 per day through the past two weeks with the total counted now approaching 479,000 through October 31. This year's count is about 76% and 182% of the respective 2001 and 10-year average counts to date. Estimated wild steelhead in the passage total was nearly 143,500 (based on visual missing adipose fin on the steelhead; this total will be inflated as there are hatchery stock steelhead that were unclipped as juvenile fish). Numbers of adult steelhead counted into the Snake River and past Ice Harbor Dam ranged between 600-1,000 through the 2-week period with the cumulative count now exceeding 203,900 through October 31. In the Mid-Columbia, steelhead counts at Priest Rapids Dam were 15 or less per day for the past week with the total count about 15,800 for the season. The passage of steelhead into the Snake and Mid-Columbia Rivers was about 1.8 and 1.6 times greater than the respective

10-year averages to date. Overall, this season's run of steelhead has been very strong into the Snake (2nd only to last year's record run). The 2-ocean component of the steelhead run has shown great adult returns from the 2000 migration season both to the Snake and upper Mid-Columbia rivers.

At Bonneville Dam, passage of adult coho was more than the other species of salmon during the past two weeks. The adult coho counts were still about 400 per day by the end of the report period, with the cumulative count at Bonneville Dam now up to 86,200. Approximately 9,800 of the adult coho have moved upstream past The Dalles Dam to date. A large percent of coho passing above Bonneville Dam remain in the Bonneville pool area and enter tributaries and hatcheries in this section of river. The Umatilla, Yakima, upper Mid-Columbia and Snake rivers have adult coho returning to those river systems.

**Hatchery Releases:** All hatchery releases for the 2002 fish migration season are completed. The FPC will be updating and finalizing hatchery release groups during the next few months.

About 1.4 million juvenile spring chinook were released in late summer and early fall from the Clearwater River basin. It is expected that the majority of these fish will remain in the Clearwater through the winter and migrate out next spring. Sockeye salmon have been released into the Stanley Basin lakes in the upper Salmon River basin and into Lake Wenatchee in the upper Wenatchee River basin. The majority of these sockeye will also reside in the lakes through the fall/winter and outmigrate the following spring (2003).

**Hatchery Release Summary**

	<b>From:</b>	<b>10/18/02</b>	<b>to</b>	<b>10/31/02</b>					
<b>Agency</b>	<b>Hatchery</b>	<b>Species</b>	<b>Race</b>	<b>MigYr</b>	<b>NumRel</b>	<b>RelStart</b>	<b>RelEnd</b>	<b>RelSite</b>	<b>RelRiver</b>
IDFG	Sawtooth	SO	UN	2003	19,981	10-08-02	10-08-02	Pettit Lake	Salmon River
IDFG	Sawtooth	SO	UN	2003	45,001	10-07-02	10-07-02	Redfish Lake	Salmon River
WDFW	East Bank	SO	UN	2003	112,500	10-31-02	10-31-02	Lake Wenatchee	Wenatchee River
<b>Grand Total</b>					<b>64,982</b>				

**Daily Average Flow and Spill (in kcfs) at Mid-Columbia Projects**

Date	Grand Coulee		Chief Joseph		Wells		Rocky Reach		Rock Island		Wanapum		Priest Rapids	
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
10/18/02	62.5	0.0	61.4	0.0	63.7	0.0	63.9	0.0	64.7	0.0	69.9	0.6	65.5	0.7
10/19/02	42.4	0.0	45.8	0.0	46.7	0.0	46.5	0.0	47.7	0.0	63.4	0.5	55.8	0.6
10/20/02	49.2	0.0	50.4	0.0	52.7	0.0	53.0	0.0	53.9	0.0	47.5	0.5	49.5	1.0
10/21/02	82.9	0.0	82.9	0.0	83.5	0.0	80.6	0.0	81.9	0.0	72.2	0.9	73.8	0.6
10/22/02	83.0	0.0	81.9	0.0	84.4	0.0	83.7	0.0	84.7	0.0	84.8	0.8	85.3	0.7
10/23/02	91.7	0.0	88.1	0.0	86.8	0.0	86.7	0.0	88.3	0.0	81.9	1.0	80.5	0.4
10/24/02	101.7	0.0	103.2	0.0	102.8	0.0	101.3	0.0	102.9	0.0	86.5	1.5	74.3	0.7
10/25/02	113.8	0.0	115.6	0.0	116.1	0.0	112.7	0.0	113.5	0.0	110.6	2.0	105.4	1.1
10/26/02	79.3	0.0	81.8	0.0	86.0	0.0	89.0	0.0	90.8	0.0	103.7	1.9	104.1	1.0
10/27/02	53.0	0.0	54.1	0.0	55.2	0.0	53.5	0.0	56.3	0.0	89.2	1.2	96.6	0.9
10/28/02	87.7	0.0	89.0	0.0	90.1	0.0	87.9	0.0	87.8	0.0	79.5	0.8	73.8	0.8
10/29/02	100.2	0.0	107.0	0.0	107.4	0.0	104.9	0.0	106.1	0.0	95.2	1.2	96.3	0.8
10/30/02	106.5	0.0	106.9	0.0	111.5	0.0	114.2	0.0	116.3	0.0	118.0	1.8	107.8	0.7
10/31/02	109.5	0.0	108.8	0.0	109.0	0.0	107.6	0.0	110.1	0.0	110.0	1.7	112.7	0.8

**Daily Average Flow and Spill (in kcfs) at Snake Basin Projects**

Date	Dworshak		Hells Canyon		Lower Granite		Little Goose		Lower Monumental		Ice Harbor	
	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
10/18/02	1.5	0.1	10.6	8.7	15.5	0.0	15.8	0.0	15.8	0.0	15.0	0.0
10/19/02	1.6	0.0	10.6	8.8	14.5	0.0	14.1	0.0	14.4	0.0	13.5	0.0
10/20/02	1.5	0.0	10.1	8.7	16.3	0.0	16.2	0.0	17.6	0.0	16.4	0.0
10/21/02	1.5	0.0	11.2	8.7	15.3	0.0	15.0	0.0	15.1	0.0	13.8	0.0
10/22/02	1.5	0.0	11.0	8.7	15.5	0.0	15.0	0.0	16.2	0.0	17.9	0.0
10/23/02	1.5	0.0	11.3	8.7	15.4	0.0	15.4	0.0	15.1	0.0	14.2	0.0
10/24/02	1.5	0.0	10.5	8.8	15.6	0.0	16.0	0.0	16.8	0.0	14.4	0.0
10/25/02	1.5	0.0	10.5	8.8	15.5	0.0	16.1	0.0	17.3	0.0	18.1	0.0
10/26/02	1.5	0.0	11.4	8.7	15.4	0.0	15.7	0.0	16.3	0.0	14.3	0.0
10/27/02	1.5	0.0	10.6	8.8	14.7	0.0	14.2	0.0	14.2	0.0	13.1	0.0
10/28/02	1.5	0.0	11.4	8.8	15.4	0.0	14.4	0.0	14.7	0.0	13.7	0.0
10/29/02	1.5	0.0	10.4	8.8	16.0	0.0	16.9	0.0	17.8	0.0	17.7	0.0
10/30/02	1.5	0.0	9.8	8.8	15.7	0.0	16.2	0.0	18.5	0.0	18.2	0.0
10/31/02	1.5	0.0	---	---	17.0	0.0	16.5	0.0	16.0	0.0	13.9	0.0

**Daily Average Flow and Spill (in kcfs) at Lower Columbia Projects**

Date	McNary		John Day		The Dalles		Bonneville		PH1	PH2
	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill		
10/18/02	96.9	0.0	92.2	0.0	95.8	0.0	96.2	2.0	0.1	87.3
10/19/02	83.2	0.0	71.3	0.0	73.0	0.0	81.3	1.9	-0.3	72.9
10/20/02	66.2	0.0	65.6	0.0	71.5	0.0	77.2	2.1	0.0	68.4
10/21/02	91.6	0.0	98.6	0.0	101.7	3.6	99.5	2.1	0.0	90.6
10/22/02	87.1	0.0	88.5	0.0	91.3	2.0	93.6	2.1	0.0	84.4
10/23/02	107.9	0.0	105.8	0.0	111.7	2.2	114.5	2.1	16.2	89.6
10/24/02	104.5	0.0	94.7	0.0	100.2	1.8	108.4	2.1	2.1	97.5
10/25/02	105.3	0.0	116.8	0.0	118.7	9.9	118.0	2.1	6.8	102.4
10/26/02	124.4	0.0	113.3	0.0	116.1	10.5	121.1	2.1	11.4	100.9
10/27/02	104.3	0.0	95.2	0.0	101.6	0.0	95.9	2.1	1.1	85.8
10/28/02	108.2	0.0	112.3	0.0	112.7	9.2	115.4	2.2	8.6	97.8
10/29/02	105.4	0.0	114.7	0.0	114.2	1.8	123.8	1.9	16.4	98.6
10/30/02	127.9	0.1	127.8	0.0	127.2	1.9	122.8	2.1	16.2	97.8
10/31/02	201.8	0.0	135.2	0.0	135.2	2.5	135.7	2.1	23.3	103.6

## Total Dissolved Gas Saturation (%) - Average of 12 Highest Hours, 24 h Average and 24 h High

### Total Dissolved Gas Saturation Data at Upper Columbia River Sites

Date	<u>Hungry H. Dnst</u>			<u>Boundary</u>			<u>Grand Coulee</u>			<u>Grand C. Tlwr</u>			<u>Chief Joseph</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr				
10/18	---	---	---	0	106	112	124	24	99	99	100	18	99	100	103	24	99	99	100	23
10/19	---	---	---	0	123	125	125	24	99	99	100	24	100	101	104	24	99	99	100	23
10/20	---	---	---	0	127	128	131	24	99	99	100	24	99	101	104	24	99	99	99	23
10/21	---	---	---	0	126	128	128	24	100	100	100	24	99	99	102	24	99	99	100	23
10/22	---	---	---	0	127	128	128	24	100	100	100	24	98	99	101	24	99	99	99	23
10/23	---	---	---	0	127	128	128	24	101	101	101	24	98	99	100	24	99	100	100	23
10/24	---	---	---	0	127	128	129	24	101	102	102	24	98	99	100	24	99	99	100	23
10/25	---	---	---	0	127	128	129	24	102	102	102	24	98	99	100	24	98	99	99	23
10/26	---	---	---	0	124	124	125	5	102	102	102	24	98	98	100	8	98	98	99	24
10/27	---	---	---	0	126	128	128	24	103	103	103	24	99	99	101	23	98	98	99	24
10/28	---	---	---	0	127	128	128	24	103	103	103	24	98	98	101	23	98	98	99	24
10/29	---	---	---	0	127	128	132	24	103	103	103	24	97	98	100	23	97	97	97	24
10/30	---	---	---	0	121	131	134	24	102	103	103	24	97	98	102	23	97	97	98	24
10/31	---	---	---	0	98	99	101	24	103	103	103	24	97	97	97	23	96	96	97	24

### Total Dissolved Gas Saturation Data at Mid Columbia River Sites

Date	<u>Chief J. Dnst</u>			<u>Wells</u>			<u>Wells Dwnstrm</u>			<u>Rocky Reach</u>			<u>Rocky R. Tlwr</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr				
10/18	99	100	100	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/19	99	99	100	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/20	99	99	100	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/21	100	101	102	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/22	100	101	102	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/23	100	101	102	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/24	100	100	102	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/25	99	99	100	23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/26	99	100	100	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/27	98	99	100	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/28	99	100	101	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/29	97	98	99	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/30	98	99	100	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/31	97	98	99	24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

### Total Dissolved Gas Saturation at Mid Columbia River Sites

Date	<u>Rock Island</u>			<u>Rock I. Tlwr</u>			<u>Wanapum</u>			<u>Wanapum Tlwr</u>			<u>Priest Rapids</u>							
	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>#</u>					
	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr	Avg	Avg	High	hr				
10/18	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/19	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/20	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/21	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/22	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/23	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/24	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/25	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/26	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/27	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/28	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/29	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/30	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0
10/31	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0

## Total Dissolved Gas Saturation (%) - Average of 12 Highest Hours, 24 h Average and 24 h High

### Total Dissolved Gas Saturation Data at Lower Columbia and Snake River Sites

Date	<u>Priest R. Dnst</u>			<u>Pasco</u>			<u>Dworshak</u>			<u>Clrwtr-Peck</u>			<u>Anatone</u>			#				
	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>					
	<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>		
10/18	---	---	---	0	99	100	100	24	105	106	111	24	---	---	---	0	---	---	---	0
10/19	---	---	---	0	99	99	100	24	103	104	107	24	---	---	---	0	---	---	---	0
10/20	---	---	---	0	98	99	99	24	103	104	105	24	---	---	---	0	---	---	---	0
10/21	---	---	---	0	98	99	99	24	106	107	109	24	---	---	---	0	---	---	---	0
10/22	---	---	---	0	99	99	99	24	105	106	106	24	---	---	---	0	---	---	---	0
10/23	---	---	---	0	98	99	99	24	104	105	106	21	---	---	---	0	---	---	---	0
10/24	---	---	---	0	98	98	98	24	104	104	105	24	---	---	---	0	---	---	---	0
10/25	---	---	---	0	98	98	98	24	104	105	106	24	---	---	---	0	---	---	---	0
10/26	---	---	---	0	98	98	99	24	104	105	106	24	---	---	---	0	---	---	---	0
10/27	---	---	---	0	97	98	98	24	104	105	106	24	---	---	---	0	---	---	---	0
10/28	---	---	---	0	97	97	98	24	103	104	105	24	---	---	---	0	---	---	---	0
10/29	---	---	---	0	96	97	98	24	103	104	104	24	---	---	---	0	---	---	---	0
10/30	---	---	---	0	96	96	97	10	101	102	103	24	---	---	---	0	---	---	---	0
10/31	---	---	---	0	96	96	97	16	101	101	102	22	---	---	---	0	---	---	---	0

### Total Dissolved Gas Saturation Data at Snake River Sites

Date	<u>Clrwtr-Lewiston</u>			<u>Lower Granite</u>			<u>L. Granite Tlwr</u>			<u>Little Goose</u>			<u>L. Goose Tlwr</u>			#				
	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>					
	<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>		
10/18	---	---	---	0	97	98	98	24	97	97	97	24	---	---	---	0	---	---	---	0
10/19	---	---	---	0	97	97	97	24	97	97	98	24	---	---	---	0	---	---	---	0
10/20	---	---	---	0	97	97	98	24	96	96	96	24	---	---	---	0	---	---	---	0
10/21	---	---	---	0	97	97	97	24	97	97	98	24	---	---	---	0	---	---	---	0
10/22	---	---	---	0	97	97	97	24	97	98	98	24	---	---	---	0	---	---	---	0
10/23	---	---	---	0	96	96	96	24	98	98	100	24	---	---	---	0	---	---	---	0
10/24	---	---	---	0	97	97	98	24	97	98	99	24	---	---	---	0	---	---	---	0
10/25	---	---	---	0	97	97	97	24	97	97	98	24	---	---	---	0	---	---	---	0
10/26	---	---	---	0	97	97	97	24	97	97	98	24	---	---	---	0	---	---	---	0
10/27	---	---	---	0	96	97	97	24	97	97	98	24	---	---	---	0	---	---	---	0
10/28	---	---	---	0	96	97	97	24	97	97	98	24	---	---	---	0	---	---	---	0
10/29	---	---	---	0	96	96	97	24	96	97	98	24	---	---	---	0	---	---	---	0
10/30	---	---	---	0	95	95	95	21	95	95	96	20	---	---	---	0	---	---	---	0
10/31	---	---	---	0	---	---	---	0	96	96	96	1	---	---	---	0	---	---	---	0

### Total Dissolved Gas Saturation Data at Snake and Lower Columbia River Sites

Date	<u>Lower Mon.</u>			<u>L. Mon. Tlwr</u>			<u>Ice Harbor</u>			<u>Ice Harbor Tlwr</u>			<u>McNary-Oregon</u>						
	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>High</u>	<u>High</u>	<u>High</u>	
	<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>		<u>Avg</u>	<u>Avg</u>					<u>Avg</u>
10/18	---	---	---	0	---	---	0	96	96	96	24	98	98	100	24	99	100	100	24
10/19	---	---	---	0	---	---	0	95	96	96	22	98	98	99	24	100	100	101	24
10/20	---	---	---	0	---	---	0	95	96	96	22	98	98	99	24	100	101	102	24
10/21	---	---	---	0	---	---	0	96	96	96	24	97	98	99	24	100	101	102	24
10/22	---	---	---	0	---	---	0	96	96	96	24	97	97	98	24	99	100	101	24
10/23	---	---	---	0	---	---	0	---	---	---	0	97	97	98	24	98	98	99	24
10/24	---	---	---	0	---	---	0	95	95	95	5	97	97	98	24	98	99	100	24
10/25	---	---	---	0	---	---	0	---	---	---	0	96	97	97	24	98	98	99	24
10/26	---	---	---	0	---	---	0	---	---	---	0	96	97	97	24	97	98	98	24
10/27	---	---	---	0	---	---	0	---	---	---	0	96	97	97	23	97	97	97	24
10/28	---	---	---	0	---	---	0	---	---	---	0	96	97	98	24	97	98	99	24
10/29	---	---	---	0	---	---	0	---	---	---	0	96	96	97	23	96	97	97	24
10/30	---	---	---	0	---	---	0	---	---	---	0	96	96	96	17	96	96	96	24
10/31	---	---	---	0	---	---	0	---	---	---	0	95	95	96	9	95	95	96	14

## Total Dissolved Gas Saturation (%) - Average of 12 Highest Hours, 24 h Average and 24 h High

**Total Dissolved Gas Saturation Data at Lower Columbia River Sites**

Date	<u>McNary-Wash</u>			<u>McNary Tlwr</u>			<u>John Day</u>			<u>John Day Tlwr</u>			<u>The Dalles</u>							
	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>				
	<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>AVG</u>			
10/18	100	100	101	24	99	99	99	24	---	---	---	0	---	---	---	0	99	99	100	23
10/19	100	100	101	24	99	100	100	24	---	---	---	0	---	---	---	0	99	99	99	23
10/20	100	101	101	24	99	99	100	24	---	---	---	0	---	---	---	0	99	99	99	23
10/21	100	100	101	24	99	99	100	24	---	---	---	0	---	---	---	0	99	99	99	23
10/22	100	100	100	24	99	99	99	24	---	---	---	0	---	---	---	0	99	99	100	23
10/23	99	99	100	24	98	99	99	24	---	---	---	0	---	---	---	0	98	99	99	23
10/24	99	99	99	24	98	99	99	24	---	---	---	0	---	---	---	0	98	99	99	23
10/25	98	99	99	24	98	98	98	24	---	---	---	0	---	---	---	0	98	98	99	23
10/26	98	98	98	24	97	98	98	24	---	---	---	0	---	---	---	0	98	98	98	24
10/27	97	97	97	24	97	97	97	24	---	---	---	0	---	---	---	0	98	98	98	24
10/28	96	97	97	24	97	97	97	24	---	---	---	0	---	---	---	0	98	98	99	24
10/29	96	96	97	24	96	97	97	24	---	---	---	0	---	---	---	0	98	98	98	24
10/30	95	95	96	24	96	96	96	23	---	---	---	0	---	---	---	0	97	97	97	24
10/31	95	95	95	7	95	95	95	10	---	---	---	0	---	---	---	0	97	97	97	23

**Total Dissolved Gas Saturation Data at Lower Columbia River Sites**

Date	<u>The Dalles Dnst</u>			<u>Bonneville</u>			<u>Warrendale</u>			<u>Camas\Washugal</u>						
	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24 h</u>	<u>12 h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>	<u>24h</u>	<u>12h</u>	<u>High</u>	<u>#</u>
	<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>			<u>Avg</u>	<u>Avg</u>		
10/18	100	100	100	24	99	100	100	23	100	100	101	23	---	---	---	0
10/19	99	100	100	24	99	100	100	23	101	101	101	23	---	---	---	0
10/20	100	100	100	24	100	100	100	23	101	101	101	22	---	---	---	0
10/21	101	102	105	24	99	100	100	23	100	101	101	23	---	---	---	0
10/22	101	101	102	24	100	100	100	23	101	101	102	23	---	---	---	0
10/23	100	101	102	24	100	100	100	23	101	101	102	23	---	---	---	0
10/24	100	100	101	24	100	100	100	23	100	101	101	23	---	---	---	0
10/25	102	103	106	20	99	100	100	23	100	101	101	23	---	---	---	0
10/26	101	103	105	23	99	99	100	24	100	100	101	24	---	---	---	0
10/27	99	99	99	23	98	99	99	24	99	100	101	24	---	---	---	0
10/28	101	104	105	23	99	100	100	24	100	101	101	24	---	---	---	0
10/29	99	99	100	23	99	99	100	24	100	101	101	24	---	---	---	0
10/30	98	98	100	23	98	98	98	22	99	99	100	24	---	---	---	0
10/31	98	99	100	23	---	---	---	0	99	99	100	23	---	---	---	0

Source: Fish Passage Center

Updated: 11/1/02 9:37

## Two-Week Summary of Passage Indices

\* See sampling comments

<http://www.fpc.org/currentDaily/smpcomments.htm>

this means that one or more of the sites on this date had an incomplete or biased sample. in

For clip information see: [Daily Catch Report](#)

For sockeye and yearling chinook (Snake only) race information see: [Current Passage Index Query](#)

If the text appears garbled, please hit the refresh button on your browser

NOTE for 2002 Lower Monumental Data: Due to the non-standard operation of Lower Monumental this year, the passage index reliability is in question and is being looked into.

### COMBINED YEARLING CHINOOK

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/18/2002 *	---	---	---	---	14	0	0	---	0	---	10
10/19/2002 *	---	---	---	---	24	0	0	---	0	---	0
10/20/2002	---	---	---	---	22	0	0	---	0	---	0
10/21/2002	---	---	---	---	21	0	0	---	0	---	10
10/22/2002	---	---	---	---	21	1	0	---	0	---	0
10/23/2002	---	---	---	---	21	0	0	---	0	---	0
10/24/2002	---	---	---	---	20	2	0	---	0	---	12
10/25/2002	---	---	---	---	109	0	0	---	0	---	0
10/26/2002 *	---	---	---	---	196	0	0	---	0	---	11
10/27/2002 *	---	---	---	---	225	0	0	---	0	---	0
10/28/2002 *	---	---	---	---	180	0	0	---	0	---	0
10/29/2002 *	---	---	---	---	155	0	0	---	0	---	0
10/30/2002 *	---	---	---	---	210	0	1	---	0	---	0
10/31/2002 *	---	---	---	---	278	0	0	---	0	---	12
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,496</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>55</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>107</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>YTD</b>	<b>38,199</b>	<b>29,095</b>	<b>8,013</b>	<b>7,847</b>	<b>2,460,820</b>	<b>2,847,391</b>	<b>2,221,941</b>	<b>28,982</b>	<b>3,519,416</b>	<b>2,104,938</b>	<b>3,328,201</b>

### COMBINED SUBYEARLING CHINOOK

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/18/2002 *	---	---	---	---	176	26	8	---	249	---	113
10/19/2002 *	---	---	---	---	189	33	14	---	272	---	41
10/20/2002	---	---	---	---	162	25	4	---	192	---	31
10/21/2002	---	---	---	---	197	46	2	---	340	---	93
10/22/2002	---	---	---	---	186	5	3	---	652	---	164
10/23/2002	---	---	---	---	126	33	9	---	360	---	61
10/24/2002	---	---	---	---	226	23	17	---	508	---	172
10/25/2002	---	---	---	---	373	59	8	---	592	---	143
10/26/2002 *	---	---	---	---	450	27	5	---	752	---	251
10/27/2002 *	---	---	---	---	551	20	11	---	488	---	206
10/28/2002 *	---	---	---	---	516	53	8	---	744	---	116
10/29/2002 *	---	---	---	---	570	57	11	---	1,204	---	184
10/30/2002 *	---	---	---	---	691	57	35	---	863	---	142
10/31/2002 *	---	---	---	---	933	119	5	---	1,748	---	380
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,346</b>	<b>583</b>	<b>140</b>	<b>0</b>	<b>8,964</b>	<b>0</b>	<b>2,097</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>382</b>	<b>42</b>	<b>10</b>	<b>0</b>	<b>640</b>	<b>0</b>	<b>150</b>
<b>YTD</b>	<b>0</b>	<b>4</b>	<b>26</b>	<b>3,488</b>	<b>753,573</b>	<b>335,795</b>	<b>306,204</b>	<b>25,466</b>	<b>8,366,224</b>	<b>3,465,726</b>	<b>6,999,283</b>

## Two-Week Summary of Passage Indices

### COMBINED COHO

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/18/2002 *	---	---	---	---	0	0	0	---	0	---	0
10/19/2002 *	---	---	---	---	1	1	0	---	0	---	0
10/20/2002	---	---	---	---	0	1	0	---	0	---	0
10/21/2002	---	---	---	---	0	1	0	---	0	---	0
10/22/2002	---	---	---	---	0	2	0	---	0	---	0
10/23/2002	---	---	---	---	1	1	0	---	0	---	0
10/24/2002	---	---	---	---	0	0	0	---	0	---	0
10/25/2002	---	---	---	---	0	1	0	---	0	---	0
10/26/2002 *	---	---	---	---	1	0	0	---	0	---	0
10/27/2002 *	---	---	---	---	0	1	0	---	0	---	0
10/28/2002 *	---	---	---	---	0	1	0	---	0	---	0
10/29/2002 *	---	---	---	---	0	0	0	---	0	---	12
10/30/2002 *	---	---	---	---	0	1	0	---	0	---	0
10/31/2002 *	---	---	---	---	0	0	0	---	0	---	0
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>YTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>101</b>	<b>124,067</b>	<b>104,590</b>	<b>66,186</b>	<b>86,227</b>	<b>201,998</b>	<b>315,280</b>	<b>2,331,599</b>

### COMBINED STEELHEAD

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/18/2002 *	---	---	---	---	0	0	6	---	0	---	0
10/19/2002 *	---	---	---	---	1	1	3	---	0	---	0
10/20/2002	---	---	---	---	0	1	4	---	4	---	0
10/21/2002	---	---	---	---	1	0	5	---	4	---	0
10/22/2002	---	---	---	---	0	0	4	---	8	---	0
10/23/2002	---	---	---	---	0	0	5	---	0	---	0
10/24/2002	---	---	---	---	1	1	8	---	0	---	0
10/25/2002	---	---	---	---	0	0	1	---	0	---	0
10/26/2002 *	---	---	---	---	0	0	2	---	4	---	0
10/27/2002 *	---	---	---	---	3	0	5	---	0	---	0
10/28/2002 *	---	---	---	---	0	1	6	---	4	---	0
10/29/2002 *	---	---	---	---	0	0	8	---	0	---	0
10/30/2002 *	---	---	---	---	2	1	40	---	0	---	0
10/31/2002 *	---	---	---	---	0	1	8	---	0	---	0
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>6</b>	<b>105</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>0</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>2,833</b>	<b>32,043</b>	<b>3,494</b>	<b>11,810</b>	<b>2,603,071</b>	<b>2,274,786</b>	<b>1,795,181</b>	<b>28,714</b>	<b>794,576</b>	<b>545,814</b>	<b>1,455,004</b>

\* See sampling comments <http://www.fpc.org/currentDaily/smpcomments.htm>

These data are preliminary and have been derived from various sources. For verification and/or origin of these data, contact the operators of the Fish Passage Data System at (503) 230-4099.

Smolt indices, clipped & unclipped or combined, are presented in the following order: yearling chinook (chinook 1's,) subyearling chinook (chinook 0's), steelhead, coho, and sockeye. Two classes of fish counts are shown in these tables: collection counts, which account for sample rates but are not adjusted for flow; and passage indices, which are collection counts divided by the proportion of water passing through the sampled powerhouse. Passage indices are not population estimates, but are used to adjust collection counts for daily fluctuations in the site's or project's operations. The classes of counts presented in the report are defined below for each site. Most samples occur over a 24-hr period that spans two calendar days. In this report, the date shown corresponds with the sample end date.

## Two-Week Summary of Passage Indices

### COMBINED SOCKEYE

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (INDEX)	LGS (INDEX)	LMN (INDEX)	RIS (INDEX)	MCN (INDEX)	JDA (INDEX)	BO2 (INDEX)
10/18/2002 *	---	---	---	---	2	1	0	---	0	---	0
10/19/2002 *	---	---	---	---	6	1	2	---	0	---	0
10/20/2002	---	---	---	---	2	0	0	---	0	---	0
10/21/2002	---	---	---	---	5	2	0	---	0	---	0
10/22/2002	---	---	---	---	9	1	1	---	4	---	0
10/23/2002	---	---	---	---	7	0	0	---	0	---	0
10/24/2002	---	---	---	---	2	0	0	---	0	---	0
10/25/2002	---	---	---	---	3	1	0	---	0	---	0
10/26/2002 *	---	---	---	---	6	0	0	---	0	---	0
10/27/2002 *	---	---	---	---	6	0	2	---	0	---	0
10/28/2002 *	---	---	---	---	6	0	0	---	0	---	0
10/29/2002 *	---	---	---	---	7	0	0	---	0	---	0
10/30/2002 *	---	---	---	---	4	0	1	---	4	---	0
10/31/2002 *	---	---	---	---	6	2	1	---	4	---	0
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>71</b>	<b>8</b>	<b>7</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>
<b># Days:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>14</b>
<b>Average:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>YTD</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>261</b>	<b>77,825</b>	<b>66,827</b>	<b>39,038</b>	<b>20,629</b>	<b>1,410,436</b>	<b>934,115</b>	<b>848,197</b>

#### Definitions for Smolt Index Counts

WTB (Collection) = Salmon River Trap at Whitebird : Collection Counts

IMN (Collection) = Imnaha River Trap : Collection Counts

GRN (Collection) = Grande Ronde River Trap : Collection Counts

LEW (Collection) = Snake River Trap at Lewiston : Collection Counts

LGR (Index) = Lower Granite Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

LGS (Index) = Little Goose Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

LMN (Index) = Lower Monumental Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

RIS (Index) = Rock Island Dam Second Powerhouse Bypass Trap : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 2 Flow / (Powerhouse 1 & 2 Flow + Spill)}

MCN (Index) = McNary Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

JDA (Index) = John Day Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

BO2 (Index) = Bonneville Dam Second Powerhouse Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 2 Flow / (Powerhouse 1 & 2 Flow + Spill)}

BO1 (Index) = Bonneville Dam First Powerhouse Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 1 Flow / (Powerhouse 1 & 2 Flow + Spill)}

JDA and BO2 data collected for the FPC by Pacific States Marine Fisheries Commission.

RIS data collected for the FPC by Chelan Co. PUD/Washington Dept. of Fish and Wildlife.

LGR, LMN, and MCN data collected for the FPC by Washington Dept. of Fish and Wildlife.

LGS and GRN data collected for the FPC by Oregon Dept. of Fish and Wildlife.

IMN data collected for the FPC by the Nez Perce Tribe.

**Cumulative Adult Passage at Mainstem Dams Through: 10/31**

DAM	Spring Chinook						Summer Chinook						Fall Chinook					
	2002		2001		10-Yr Avg.		2002		2001		10-Yr Avg.		2002		2001		10-Yr Avg.	
	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	268,813	6,477	391,367	14,172	104,143	5,654	127,436	7,952	76,156	14,723	26,786	4,828	472,309	40,179	398,482	74,254	202,144	34,632
TDA	181,176	3,870	303,912	9,953	68,558	3,895	113,069	5,743	71,462	10,926	22,478	3,504	245,881	33,371	181,316	51,765	112,396	23,768
JDA	139,887	2,403	264,177	6,208	58,196	3,052	105,354	5,615	64,186	10,049	20,885	3,005	164,923	29,549	124,747	41,620	85,476	18,919
MCN	129,357	3,872	258,689	6,683	54,462	2,970	109,937	6,818	67,914	9,600	21,443	2,927	141,625	25,412	110,517	36,381	72,116	17,551
IHR	85,207	1,826	171,173	3,026	32,988	1,807	26,607	2,437	15,270	2,397	5,356	857	15,383	6,153	13,516	10,170	4,920	3,386
LMN	76,304	1,537	180,787	1,784	32,792	1,811	23,743	1,686	19,287	1,612	5,597	792	15,193	6,183	13,297	8,512	4,059	3,016
LGS	77,232	1,815	174,823	2,990	31,528	1,921	20,844	2,253	15,929	2,803	5,147	995	12,864	4,197	10,550	7,275	2,842	2,071
LWG	75,025	2,132	171,958	3,135	30,329	1,865	22,159	1,953	13,735	3,804	5,072	1,094	12,186	5,630	8,621	8,707	2,350	2,054
PRD	34,083	196	50,379	987	14,082	343	96,326	1,455	53,170	3,207	18,552	1,069	25,779	2,559	23,851	6,494	16,058	2,746
RIS	24,017	827	39,785	1,761	10,725	505	86,825	3,216	48,844	13,086	16,340	3,328	13,760	1,079	11,764	6,027	5,651	2,161
RRH	9,999	161	15,895	543	3,314	135	73,104	2,807	39,174	5,548	9,858	1,394	10,647	1,271	8,664	3,897	3,759	1,399
WEL	7,587	39	9,989	892	1,799	176	62,595	412	33,244	4,882	6,718	1,165	5,886	213	6,498	2,598	1,746	644

DAM	Coho						Sockeye			Steelhead			
	2002		2001		10-Yr Avg.		2002	2001	10-Yr Avg.	10-Yr			Wild 2002
	Adult	Jack	Adult	Jack	Adult	Jack				2002	2001	Avg.	
BON	86,192	6,768	257,752	6,716	52,185	4,036	49,610	114,934	50,283	478,907	631,206	262,433	142,804
TDA	9,765	3,020	62,378	2,179	12,929	1,317	40,554	102,562	40,061	387,920	503,327	192,346	116,535
JDA	7,650	1,609	48,870	2,311	10,408	1,110	41,915	107,869	43,271	391,084	483,409	184,676	112,600
MCN	2,144	1,032	22,918	1,812	5,180	498	39,177	97,188	39,888	286,451	398,784	146,220	80,495
IHR	200	32	1,286	74	216	11	60	38	13	203,929	255,720	110,239	51,850
LMN	137	11	798	159	123	12	45	32	21	212,194	252,907	102,474	55,696
LGS	107	14	490	50	71	0	38	72	24	198,817	232,669	90,035	52,568
LWG	224	145	611	67	146	0	51	36	23	208,303	231,906	91,598	54,786
PRD	1,054	393	8,172	950	823	69	47,882	111,320	48,768	15,806	29,473	10,096	***
RIS	1,592	0	8,243	0	993	0	44,319	104,847	43,488	15,196	28,286	9,141	10,301
RRH	425	0	1,125	0	174	0	12,372	66,222	24,245	11,718	21,708	6,561	6,927
WEL	135	0	300	0	49	2	10,587	74,490	27,114	9,246	18,053	5,030	4,890

Non-clipped steelhead are counted as wild. In 2000 and 2001 about 9 to 11% of the hatchery steelhead released into the Snake and Mid-Columbia River were unclipped.

RIS, RRH and WEL are through 10/30.

RIS, RRH, PRD and WEL data for the last week are from the PUDs.

\*\*PRD is not reporting Wild Steelhead numbers.

These numbers were collected from the COE's Running Sums text files, except where otherwise noted.

Wild steelhead numbers are included in the total.

Historic counts (pre-1996) were obtained from CRITFC and compiled by the FPC.

Historic counts 1997 to present were obtained from the Corps of Engineers.

## Two Week Transportation Summary

10/19/02 TO 11/01/02

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	5,346	1,496	3	71	8	6,924
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	0	0	0	0	5	5
	Sum of Numbertrucked	5,336	1,492	3	69	3	6,903
	Sum of TotalProjectMortalities	10	4	0	2	0	16
<b>LGS</b>	Sum of NumberCollected	583	3	10	8	6	610
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	0	0	0	0	0	0
	Sum of Numbertrucked	572	3	10	8	6	599
	Sum of TotalProjectMortalities	11	0	0	0	0	11
<b>LMN</b>	Sum of NumberCollected	140	1		7	105	253
	Sum of NumberBarged	0	0		0	0	0
	Sum of NumberBypassed	40	1		2	104	147
	Sum of Numbertrucked	99	0		5	0	104
	Sum of TotalProjectMortalities	1	0		0	1	2
<b>MCN</b>	Sum of NumberCollected	8,960			12	24	8,996
	Sum of NumberBarged	0			0	0	0
	Sum of NumberBypassed	0			0	0	0
	Sum of Numbertrucked	8,915			12	20	8,947
	Sum of TotalProjectMortalities	45			0	4	49
Total Sum of NumberCollected		15,029	1,500	13	98	143	16,783
Total Sum of NumberBarged		0	0	0	0	0	0
Total Sum of NumberBypassed		40	1	0	2	109	152
Total Sum of Numbertrucked		14,922	1,495	13	94	29	16,553
Total Sum of TotalProjectMortalities		67	4	0	2	5	78

**YTD Transportation Summary**

**TO: 11/01/02**

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
<b>LGR</b>	Sum of NumberCollected	632,284	1,537,299	80,777	51,732	1,698,933	4,001,025
	Sum of NumberBarged	567,550	1,483,798	80,608	49,501	1,628,208	3,809,665
	Sum of NumberBypassed	210	38,152	5	7	65,900	104,274
	Sum of NumberTrucked	56,753	11,487	39	664	3,570	72,513
	Sum of TotalProjectMortalities	7,813	3,862	125	1,560	1,255	14,615
<b>LGS</b>	Sum of NumberCollected	292,124	1,907,387	79,992	48,256	1,562,847	3,890,606
	Sum of NumberBarged	282,631	1,904,701	79,281	47,412	1,559,479	3,873,504
	Sum of NumberBypassed	0	0	0	0	0	0
	Sum of NumberTrucked	8,208	1,046	138	147	1,240	10,779
	Sum of TotalProjectMortalities	1,285	1,640	573	697	2,131	6,326
<b>LMN</b>	Sum of NumberCollected	306,159	2,214,728	63,081	38,640	1,754,304	4,376,912
	Sum of NumberBarged	266,730	2,122,021	60,932	37,468	1,713,937	4,201,088
	Sum of NumberBypassed	29,312	68,126	1,994	210	34,517	134,159
	Sum of NumberTrucked	7,483	20,214	95	76	356	28,224
	Sum of TotalProjectMortalities	2,634	4,367	60	886	5,494	13,441
<b>MCN</b>	Sum of NumberCollected	5,383,365	2,205,143	111,899	910,065	464,696	9,075,168
	Sum of NumberBarged	1,785,415	792	2,094	4,976	979	1,794,256
	Sum of NumberBypassed	3,282,249	2,203,310	109,765	902,711	463,340	6,961,375
	Sum of NumberTrucked	275,508	41	0	1,476	71	277,096
	Sum of TotalProjectMortalities	40,159	1,000	40	901	306	42,406
Total Sum of NumberCollected		6,613,932	7,864,557	335,749	1,048,693	5,480,780	21,343,711
Total Sum of NumberBarged		2,902,326	5,511,312	222,915	139,357	4,902,603	13,678,513
Total Sum of NumberBypassed		3,311,771	2,309,588	111,764	902,928	563,757	7,199,808
Total Sum of NumberTrucked		347,952	32,788	272	2,363	5,237	388,612
Total Sum of TotalProjectMortalities		51,891	10,869	798	4,044	9,186	76,788

